Second Call for admissions in Ph.D. programs in School of Civil and Environmental Engineering for the odd semester commencing from August 2023.

Note: The School of Civil and Environmental Engineering reserves the right to recruit/not recruit for any of the advertised areas.

Category of PhD Admissions:
School of Civil and Environmental Engineering offers both Full time and Part time PhD programs for the interested candidates. Applicants for admission to the Ph.D. programme shall be classified under any one of the following categories which will be decided and recommended by the admission committee. Applicants must mention their admission category in the online application form.

A. Regular Full Time PhD (Fellowship from the Institute)
B. Regular Full Time PhD (Fellowship from the Project)
C. Regular Full Time PhD (Self Sponsored)
D. Part Time PhD (Sponsored from Govt/Semi-Govt/National Research Lab/Industry/Public Sector/Reputed Private Sector)
E. Part Time PhD (Staff Employed in IIT Mandi)

General Qualifications for PhD programs:
A. REGULAR FULL TIME SCHOLARS

Ph.D. in Engineering/Sciences/Humanities

a) Candidates with a Master’s degree in Engineering/Technology/Science/Other with a good academic record or a Master’s degree by research in Engineering/Technology disciplines, with a good academic record.

Or

b) Candidates with Master’s degree in Sciences with a good academic record and of exceptional merit are eligible for the relevant Engineering discipline and with
a valid GATE score or UGC/CSIR NET/NBHM or equivalent qualification in the relevant area tenable for the year of registration. In the case of candidates with more than 5 years of relevant experience after the Master’s degree, the requirement of a test score may be waived by the Selection Committee.

c) Candidates applying under regular full time category must have qualified GATE / JRF / NET or National Level Examinations conducted by MoE and its agencies and institutes such as IITs/CSIR/UGC/IISc/IISER etc. at least once in their academic career.

d) Candidates who have qualified for the award of Bachelor’s degree in Engineering/Technology with exceptionally good academic record in an eligible discipline will be considered for direct admission (without previous Master’s Degree) to Ph.D. Programme as a regular full time scholar subject to the following conditions:

I. B.Tech/BE degree from Centrally Funded Technical Institutes (CFTIs) with a minimum CGPA of 7.5 on a 10.0 point scale (or equivalent).
   OR
II. B.Tech/BE degree from Non-Centrally Funded Technical Institutes (CFTIs) with valid GATE or other equivalent national exam qualification and CGPA of at least 7.5 on a 10.0 point scale (or equivalent).
   OR
III. B.Tech/BE degree and serving for two years or more in a reputed R&D organization and having a proven research record.

B. Regular Full Time PhD (Fellowship from the Project)

This category includes project staff working on research projects in the Institute who have worked on such projects for a period of 6 months or more. They may be considered for admission to the Ph.D. Programme (guided by the same PI only) with strong support of the candidature by the PI. The selection procedure will be same as for the regular Ph.D. Programme. The minimum educational qualifications are the same as for regular Ph.D. Programme.

C. Research Scholar Supported by Self or the Employer (Self-Sponsored):
This category refers to Ph.D. candidates with or without work experience and with good research / industry track record to join the doctoral program. Candidates without any research experience can also apply under this category. These candidates are admitted through the usual admission procedure. Students do not get any financial support from the institute. If admitted, these students have to complete their program without any financial support from the institute. Students cannot claim for the fellowship under this category. The qualifications may be same as that applicable for regular full-time admissions.

**D. Ph.D. Under Part-Time /External Registration Programme**

Category:
The required qualification for both programs remain the same as for the regular candidates as mentioned above except for the requirement of qualifying in one of the national entrance tests. Additionally, the candidate should have at least two years of work experience as mentioned above.

**Research Scholar getting support from Government/Semi Government/Agencies (QIP, CSIR, UGC, DAE, DST, DBT, NBHM, JEST, ICCR etc.)**

These candidates get fellowship from various Government / Semi Government schemes. The admission procedure and other requirements are same as applicable to Institute Research Scholars.

**Sponsored candidates/ External Registration Program:**
These candidates are sponsored by recognized R&D organization, having R&D facilities, for doing research work in the institute on a full-time basis. These institutes should be recognized by DST and IIT Mandi, as R&D organizations. Some of them include National Laboratories, Reputed Universities / Colleges, or employed in research/analysis jobs in public sector / private sector / governments in the case of management area. Candidates applying under this category must have at least two years of work experience. These candidates will not receive any financial support from the institute.

**E. Institute Employee**
This category refers to Ph.D. applicants who are employees of IIT Mandi with more than 2 years of service remaining before their retirement. These candidates will not receive any financial support from the institute. However, tuition fee may be waived off for candidates having gross family income not exceeding 8 lakhs in preceding financial year.
1. Minimum qualification for different specialization below for Regular Full Time PhD (Fellowship from the Institute).

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Broad Research Areas</th>
<th>Qualification for Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Geotechnical engineering</td>
<td>B. Tech/B.E. in Civil/Construction/Mechanical Engineering or related areas + M.Tech/M.E./MS in Geotechnical/Structural/Environmental/Transportation Engineering/ Solid or Thermofluid (Mechanical) Engineering or related areas + GATE Qualified at least once in their academic career.</td>
</tr>
<tr>
<td>2.</td>
<td>Water resource Engineering</td>
<td>B. Tech in Civil/Agriculture/Environmental engineering or related areas + M.Tech. in Water Resources/Hydrology/Hydraulics/Hydrogeology/River Engineering/Irrigation/Hydroinformatics/Earth Sciences/Geomatics/Remote Sensing and GIS or related areas + GATE Qualified at least once in their academic year.</td>
</tr>
<tr>
<td>3.</td>
<td>Structural Engineering</td>
<td>B. Tech in Civil Engineering or related areas + M.Tech in Structural Engineering or related areas +GATE Qualified at least once in their academic year.</td>
</tr>
</tbody>
</table>

**Additionally, the candidates with B. Tech degree with exceptionally good academic record may apply for direct admission to regular full time PhD:**

- B.Tech/BE degree from Centrally Funded Technical Institutes with a minimum CGPA of 7.5 on a 10.0 point scale (or equivalent).
- B.Tech/BE degree from Non-Centrally Funded Technical Institutes with valid GATE or other equivalent national exam qualification and CGPA of at least 7.5 on a 10.0 point scale (or equivalent).
- B.Tech/BE degree and serving for two years or more in a reputed R&D organisation and having a proven research record
2. Minimum qualification for Environmental Engineering specialization below for Regular Full Time PhD (Fellowship from the Project).

PI- Dr. Sayantan Sarkar

Title of the Project: Aerosol brown carbon, humic-like substances and nitroaromatics in the Himalayas: implications for regional climate.

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<tr>
<td>1.</td>
<td>Environmental Engineering</td>
<td>B. Tech/B.E. in Civil/Environmental Engineering or related areas + M.Tech. in Environmental Engineering + GATE Qualified at least once in their academic career. OR M.Sc. in Environmental Science/Chemistry / Earth Sciences/ Atmospheric Science or related areas + NET/GATE Qualified at least once in their academic year</td>
</tr>
</tbody>
</table>

Important Guidelines for PhD Application

- You are required to submit the application form ONLINE. No Downloadable Forms will be available after filling the form, you are advised to take a print of your application for your records.
- For each specialization, candidate should submit a separate application with the application fee.
- Candidates should apply through online only using the link: http://oas.iitmandi.ac.in/admission
- Application Fee for Ph.D. Admission:

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General/EWS/OBC/OBC (NCL)/Transgender/Foreign Nationals</td>
<td>200</td>
</tr>
<tr>
<td>Women/SC/ST/PD</td>
<td>100</td>
</tr>
</tbody>
</table>

- **Mode of Payment: SBI Collect Portal.**
- **Applicant should submit fee on SBI collect portal of the IIT Mandi** (https://www.onlinesbi.com/sbicollect/icollecthome.htm); and submit generated
transaction number to the OAS admission application portal. One application fee is valid for the single application. The application fee is non-refundable.

Notes :-

- B. E. /AMIE / Other Equivalent exams are considered as B. Tech.
- M. E. / M. S. (by Research) / M.Tech. (by Research) or other equivalent exams are considered as M.Tech.
- Candidates with B. Tech in branches / specializations other than specified in the dropdown list should select others and specify their branch / specialization in the text box provided.
- If you have your grade in CGPA/CPI, represent your CGPA/CPI out of 10. The eligibility criteria mentioned above is minimum and the shortlisting committee(s) may use higher cut-off levels for shortlisting.
- More details about eligibility / PhD can be found in the given link below.
  https://www.iitmandi.ac.in/pdf/ordinances//Ordinances_Ph.D.pdf
- The First preference shall be considered for shortlisting the received admission applications. Applicants are advised to fill the specialization preference carefully on OAS application portal.

For any queries please contact: scene_admissions@iitmandi.ac.in
For any technical issues please contact: oassupport@iitmandi.ac.in

Important Dates:

- Starting date for filling Online Application: **10th July, 2023 (Monday)**
- Last date for filling Online Application: **17th July, 2023 (Monday)**
- Written Test/Interview will be on Hybrid Mode (Offline/online mode): Will be communicated soon.
- Declaration of Shortlisted Candidates for Written test/Interview: will be published on IITMandi website.
- Shortlisted candidates will be informed by email for the Written test/Interview.

***END***